

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	50	(US-4376717-\$ or US-4584932-\$ or US-4601089-\$ or US-4970770-\$ or US-4506135-\$ or US-4311733-\$ or US-4342721-\$ or US-4448239-\$ or US-4534507-\$ or US-4577380-\$ or US-5176200-\$ or US-5201367-\$ or US-5538078-\$ or US-5934270-\$ or US-6102110-\$ or US-4283615-\$ or US-4305452-\$ or US-4396057-\$ or US-4410029-\$ or US-4461347-\$ or US-4475587-\$ or US-4803054-\$ or US-4839495-\$ or US-5000926-\$ or US-5201118-\$ or US-5216981-\$).did. or (US-5579836-\$ or US-5871045-\$ or US-5975198-\$ or US-6034873-\$ or US-4298054-\$ or US-4307685-\$ or US-4321910-\$ or US-4332294-\$ or US-4335708-\$ or US-4345549-\$ or US-4351301-\$ or US-4376461-\$ or US-4424776-\$ or US-4438805-\$ or US-4446820-\$ or US-4509584-\$ or US-4532894-\$ or US-4536642-\$ or US-4539815-\$ or US-4552724-\$ or US-4590990-\$ or US-	USPAT	OR	ON	2009/02/27 16:48

		4612086-\$ or US-4765394-\$ or US-4770828-\$).did.				
S2	384	(122/31.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/27 18:03
S3	75	((heat adj3 (exchange exchanger)).bsum. or (heat adj3 (exchange exchanger)).ab.) and S2	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/27 18:04
S4	831	(122/33).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/27 18:28
S5	90	((heat adj3 (exchange exchanger)).bsum. or (heat adj3 (exchange exchanger)).ab.) and S4	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/27 18:28
S6	86	S5 not S3	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/27 18:28
S7	1901	(tube with shell) and "165"/\$.ccls. and ((heat adj3 exchang\$3).bsum. or (heat adj3 exchang \$3).ab.)	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/27 18:45
S8	333	primary and secondary and S7	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/27 18:46
S9	1791	(122/32).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/27 19:10
S10	120	(tube with shell) and S9 and ((heat adj3 exchang \$3).bsum. or (heat adj3 exchang\$3).ab.)	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/27 19:37
S11	11	("1686970"   "1894760"   "3135322"   "4621681"   "6415744"   "6427638"   "6907846"   "7258080").PN. OR ("7458340").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/27 20:22
S12	413	(122/18.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/27 20:26
S13	74	(heat adj3 (exchange exchanger)) and S12	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/27 20:26

S14	337	(122/15.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/27 20:34
S15	91	(heat adj3 (exchange exchanger)) and S14	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/27 20:34
S16	83	S15 not S13	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/27 20:34
S17	402	(165/104.14).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/27 20:45
S18	2	burner and (fin with tube) and S17	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/27 20:46
S19	1	burner and (tube with shell) and S17	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/27 20:49
S20	794	(165/104.19).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 10:42
S21	333	(heat adj3 (exchange exchanger)) and S20	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 10:43
S22	27	burner and tube and S21	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 10:43
S23	306	S21 not S22	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 10:45
S24	145	(165/104.22).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 10:51
S25	890	(237/19).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 11:07
S26	281	(heat adj3 (exchange exchanger)) and S25	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 11:09
S27	20	(237/8b).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 11:30
S28	4	("4158438"   "4501261"). PN. OR ("6606968"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 11:50

S29	3	("4501261"   "5203500"   "6606968").PN. OR ("7322532").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 11:52
S30	3	(("2000346456") or ("9280755") or ("2002349968") or ("3110389") or ("2005005241")).PN.	JPO	OR	OFF	2009/02/28 11:55
S31	1	("2003110389").PN.	JPO	OR	OFF	2009/02/28 11:57
S32	1791	(122/32).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 12:43
S33	70	((heat adj3 (exchange exchanger)).bsum. or (heat adj3 (exchange exchanger)).ab.) and header and S32	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 12:43
S34	402	(165/104.14).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 12:45
S35	35	((heat adj3 (exchange exchanger)).bsum. or (heat adj3 (exchange exchanger)).ab.) and header and S34	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 12:45
S36	47	recovery and S32	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 12:53
S37	318	(tube with shell) and "165"/\$.ccls. and ((heat adj3 exchang\$3).bsum. or (heat adj3 exchang \$3).ab.) and recovery	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 12:56
S38	26	("1894760"   "2183956"   "3559722"   "4098328"   "4116268"   "4147209"   "4249595"   "4260015"   "4579163"   "4844151"   "4966231"   "5362454"   "5462113"   "5511612"   "5513702"   "5558154"   "5787975"   "5810071"   "5823247"   "5950715"   "6026894"   "6142221"   "6142222"   "6161615").PN. OR ("6935417").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 13:00

S39	413	(122/18.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 13:18
S40	12	header and S39	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 13:18
S41	81	122/7r.ccls. and header and recovery and boiler	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 13:19
S42	1	("2000304352").PN.	JPO	OR	OFF	2009/02/28 13:21
S43	1	ootomo.in. and "heating apparatus".ti.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 13:23
S44	0	("200112890").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 13:48
S45	0	("200112890").PN.	JPO	OR	OFF	2009/02/28 13:48
S46	240	"recovery boiler" and "122"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 13:57
S47	80	"recovery boiler" and burners and header	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 14:01
S48	60	S47 not S46	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 14:01
S49	2005	(tube with shell) and ((heat adj3 exchang\$3). bsum. or (heat adj3 exchang\$3).ab.) and recovery	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 14:03
S50	305	header and S49	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 14:04
S51	91	burner and S50	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 14:04
S52	1199	(237/8r).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 14:24
S53	146	((heat adj3 (exchange exchanger)).bsum. or (heat adj3 (exchange exchanger)).ab.) and S52	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 14:24

S54	4182	((heat adj3 (exchange exchanger)).bsum. or (heat adj3 (exchange exchanger)).ab.) and header and plate and tube	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 14:34
S55	3852	flow and S54	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 14:34
S56	343	"122"/\$.ccls. and S55	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/28 14:35

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